

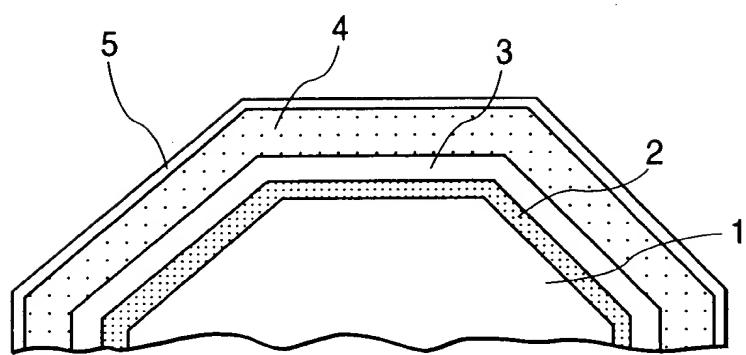
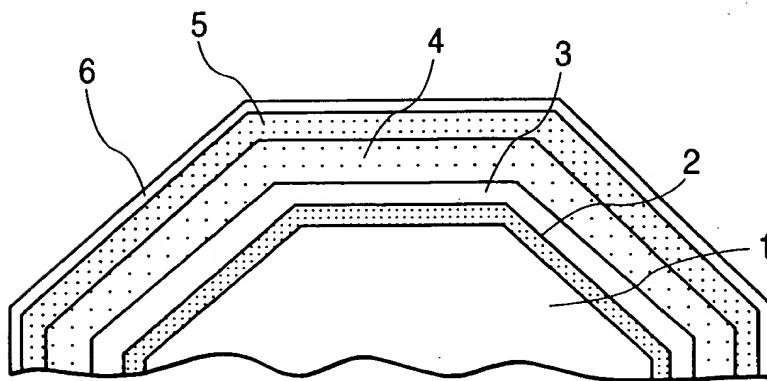
FIG. 1*FIG. 2*

FIG. 3

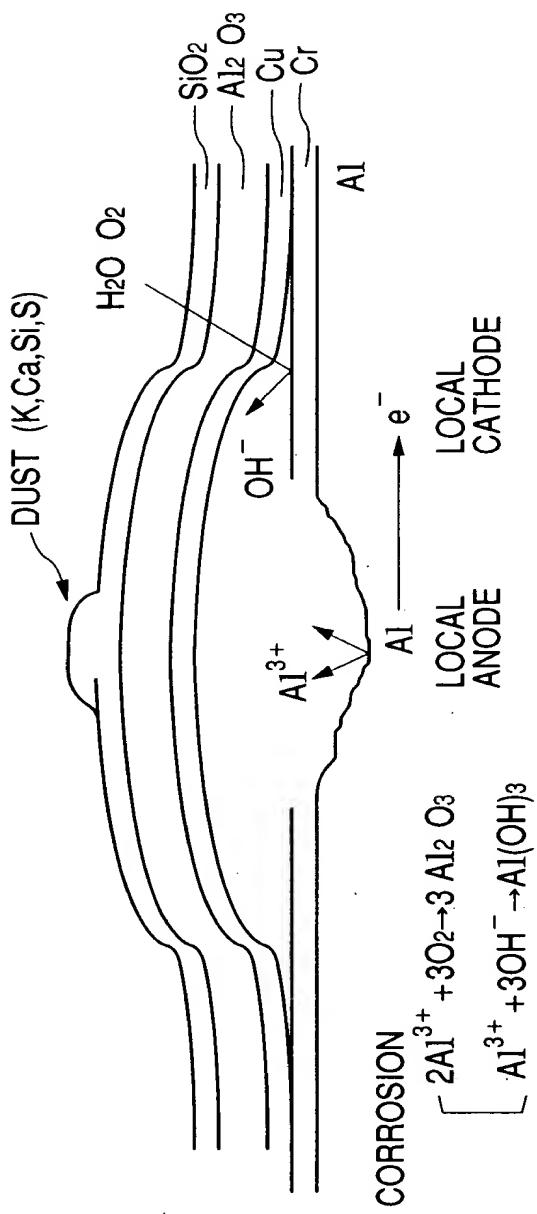


FIG. 4

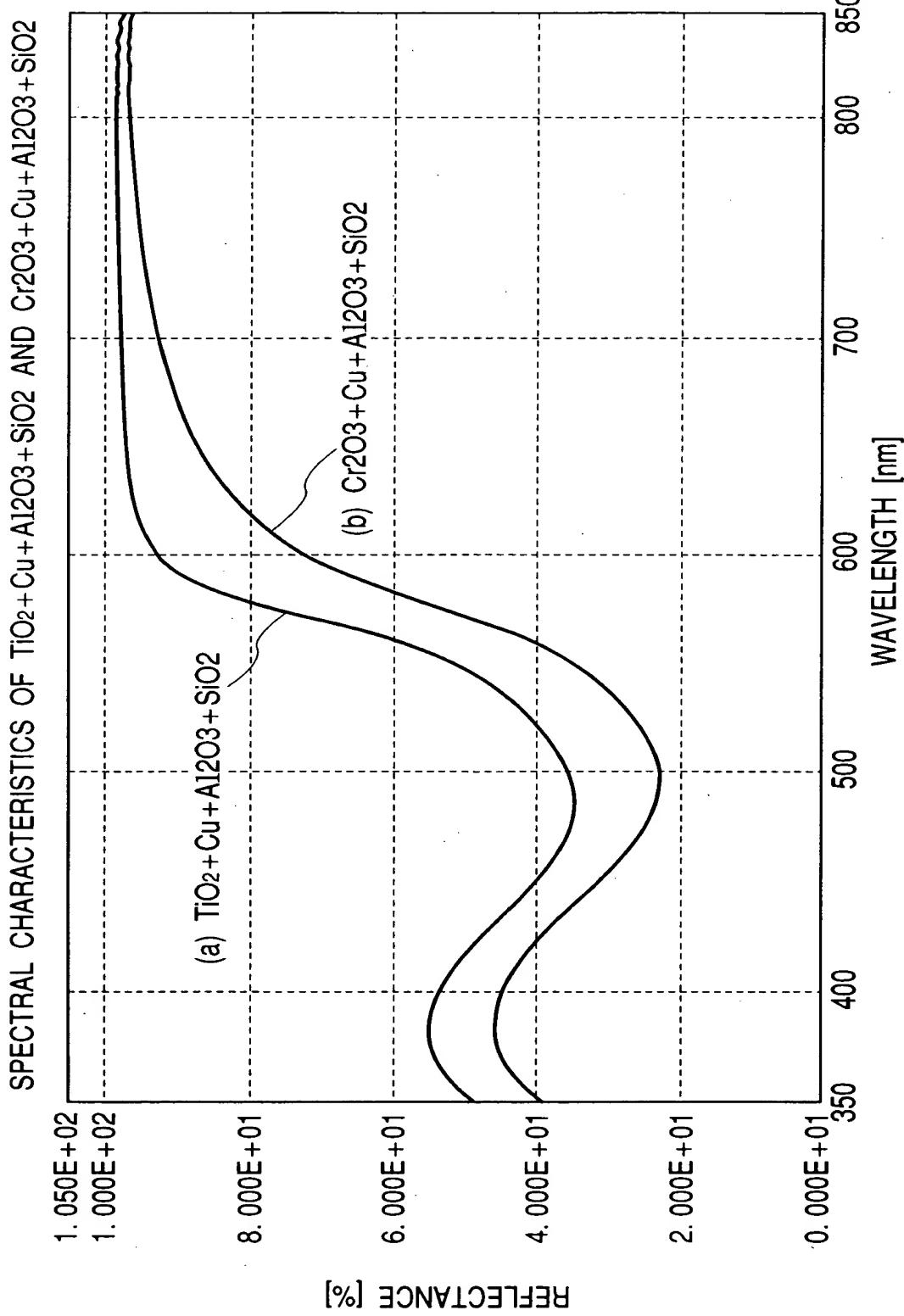
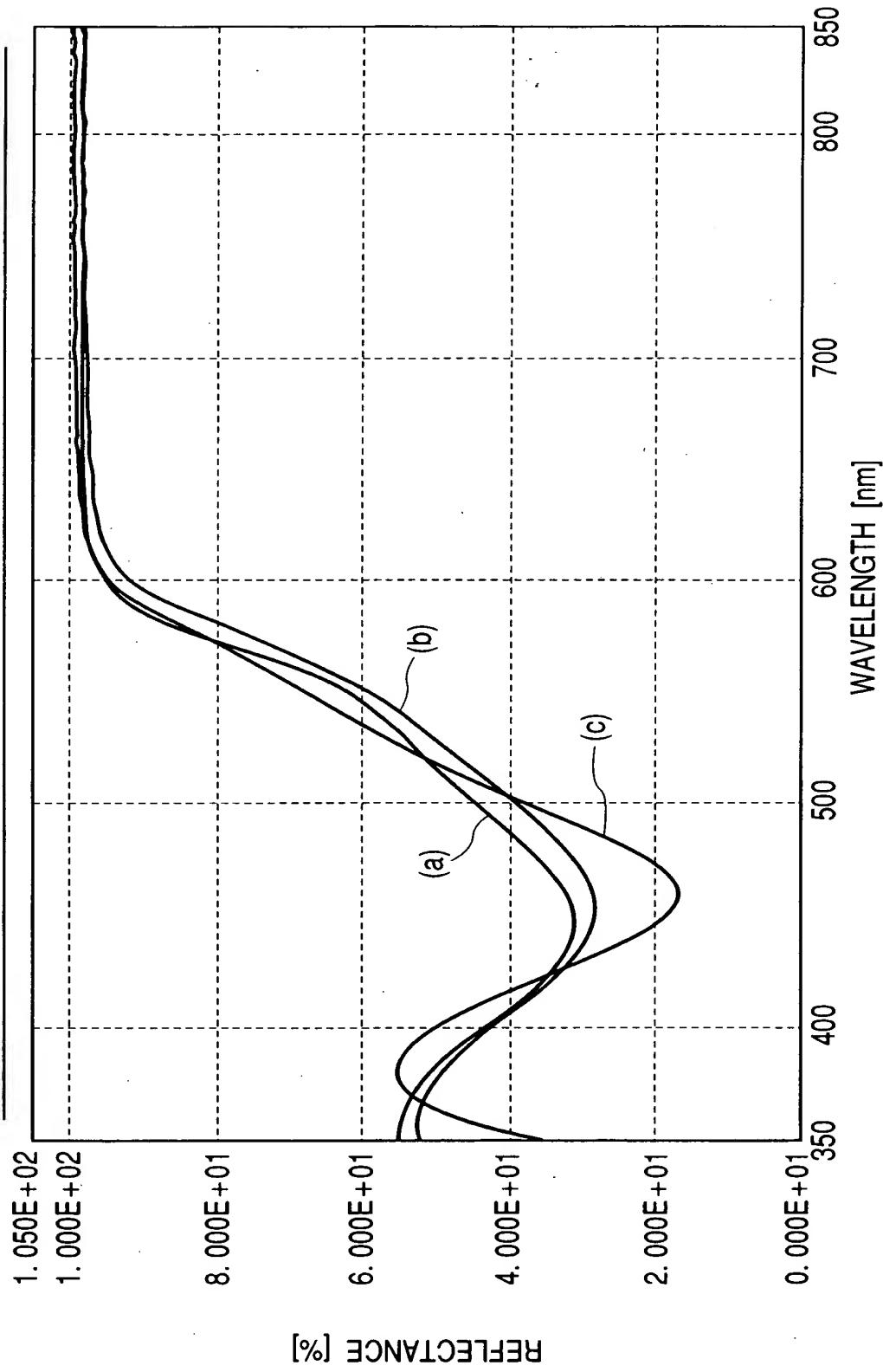


FIG. 5

MEASURED REFLECTANCE S POLARIZED LIGHT INCIDENT ANGLE 15°

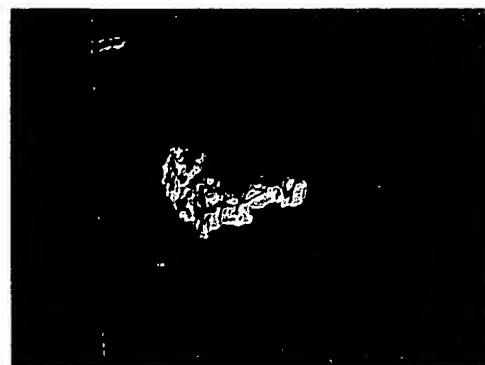


- (a) : Cr/Cu/Al₂O₃/SiO₂ S 15deg
- (b) : TiO₂/Cu/Al₂O₃/SiO₂ S 15deg
- (c) : TiO₂/Cu/Al₂O₃/TiO₂/SiO₂ S 15deg

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FIG. 6

PHOTOGRAPH 1



MICROPHOTOGRAPH ($\times 100$)

FIG. 7

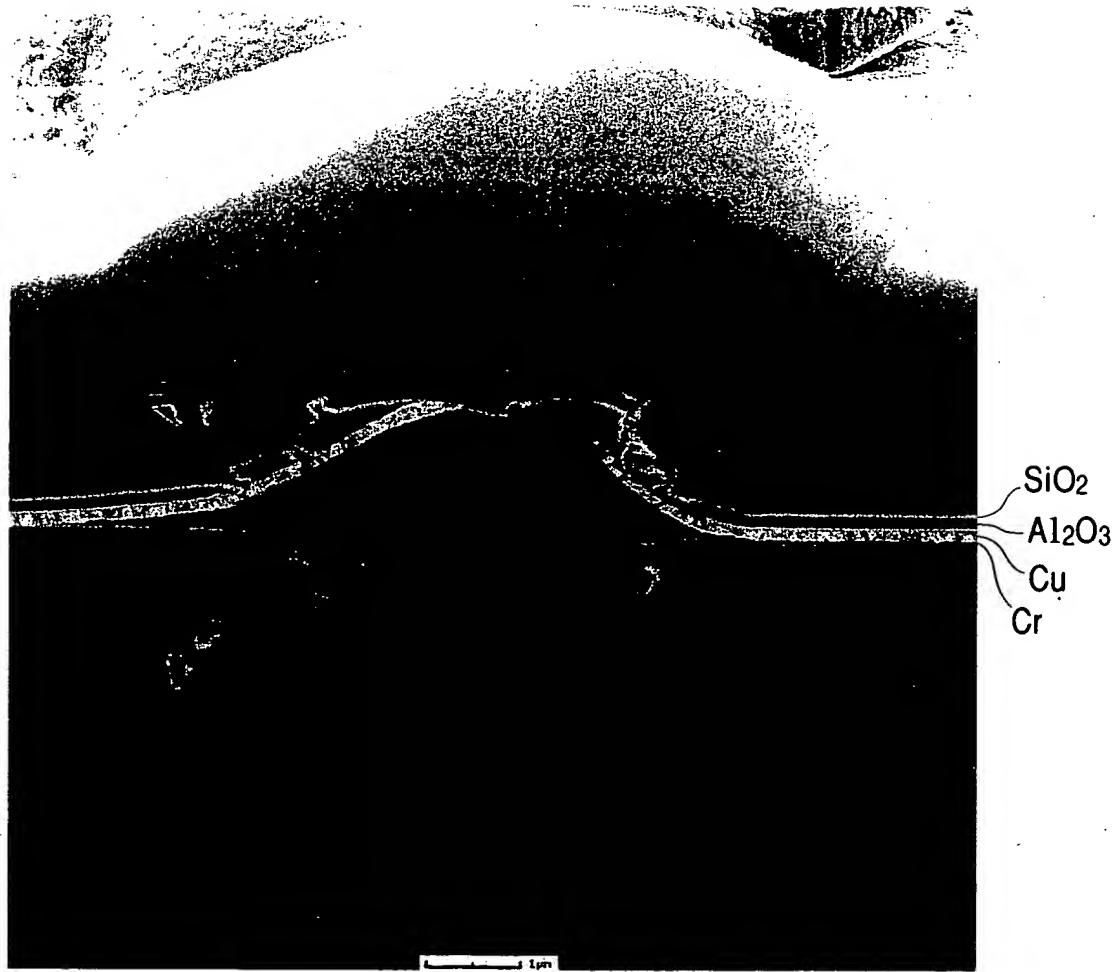
PHOTOGRAPH 2



MICROPHOTOGRAPH ($\times 100$)

FIG. 8

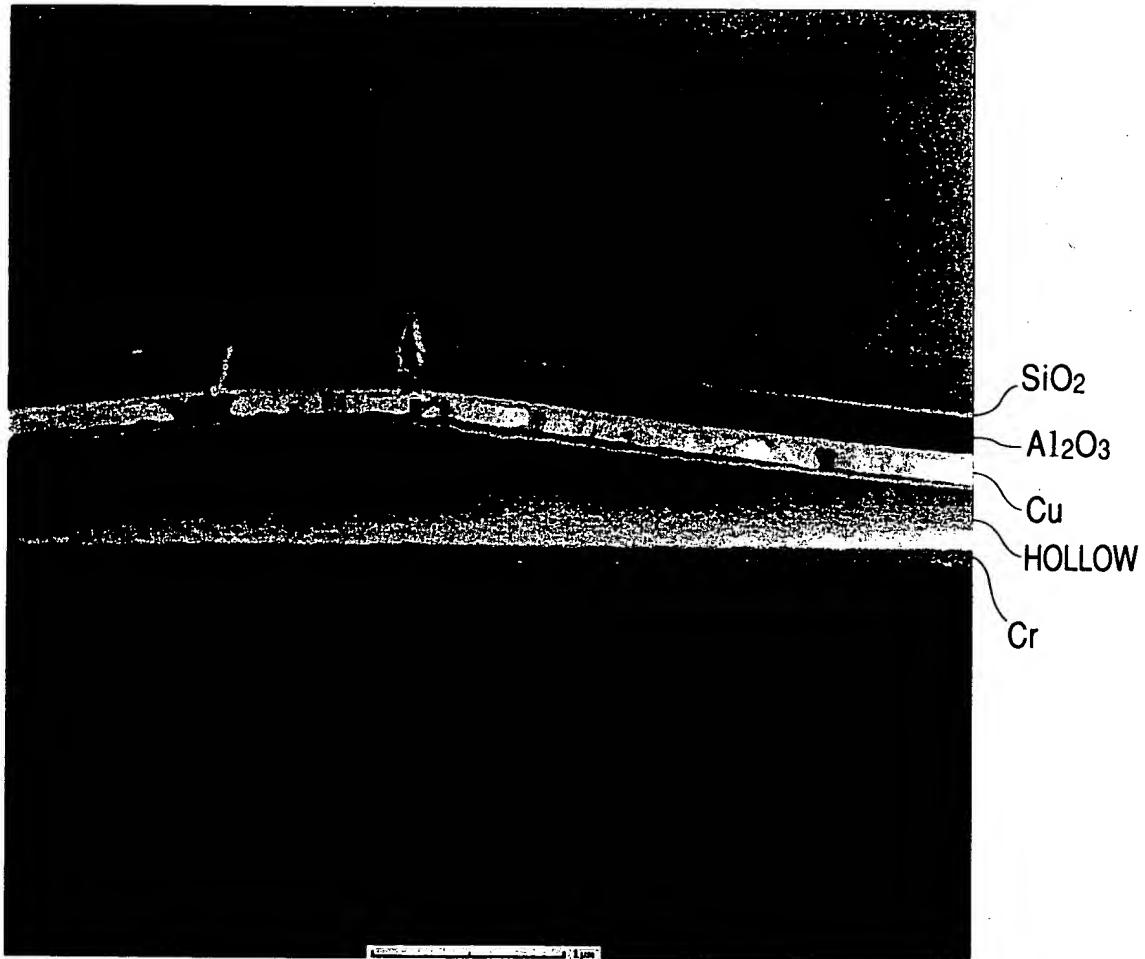
PHOTOGRAPH 3



FIB PHOTOGRAPH OF CORROSION PART

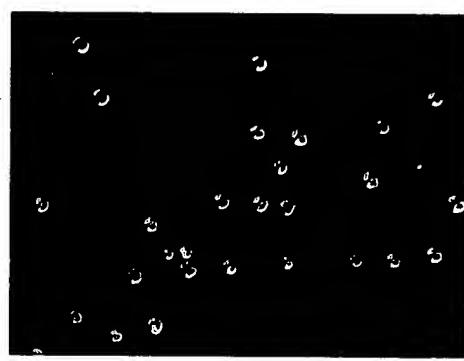
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FIG. 9
PHOTOGRAPH 4



FIB PHOTOGRAPH OF FILM LIFTING PHENOMENON

FIG. 10
PHOTOGRAPH 5

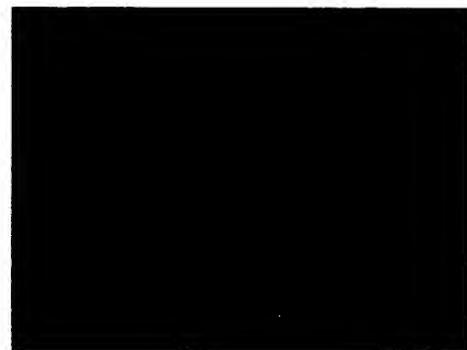


SAMPLE ×200

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FIG. 11

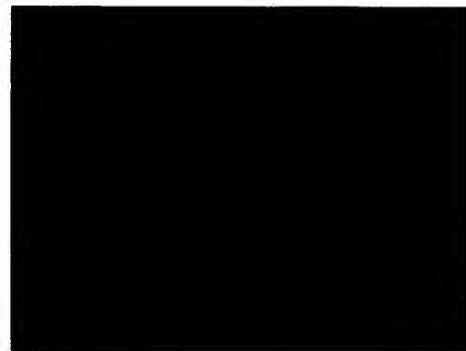
PHOTOGRAPH 6



UNUSUAL PART ×500

FIG. 12

PHOTOGRAPH 7

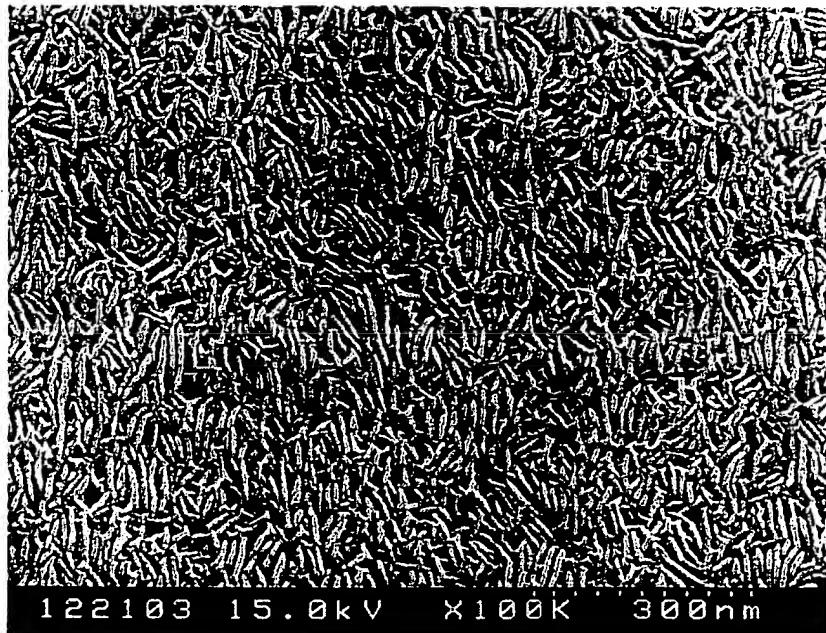


UNUSUAL PART ×1000

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FIG. 13

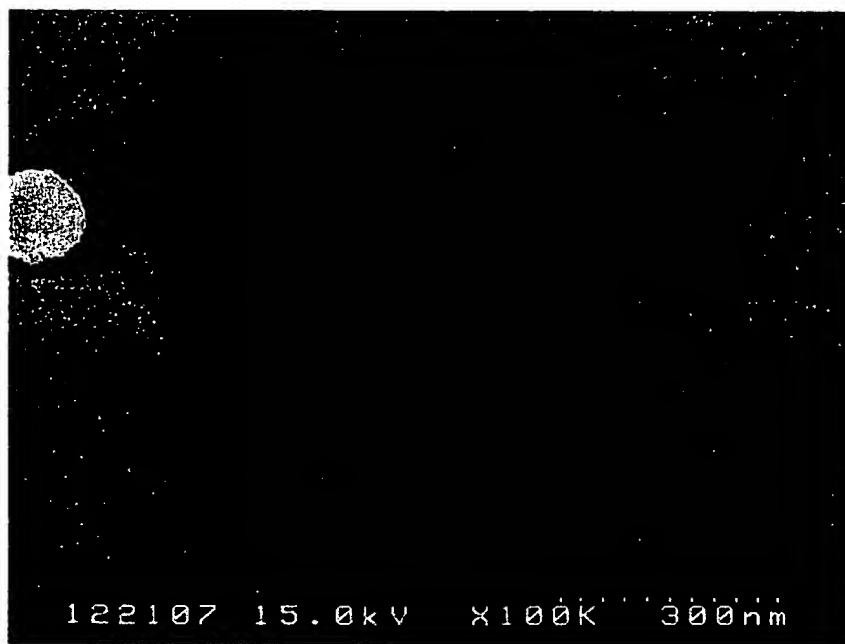
SEM PHOTOGRAPH OF Cr FILM SURFACE $\times 100K$



122103 15.0kV $\times 100K$ 300nm

FIG. 14

SEM PHOTOGRAPH OF TiO₂ FILM SURFACE $\times 100K$



122107 15.0kV $\times 100K$ 300nm